(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 9 October 2003 (09.10.2003)

PCT

(10) International Publication Number WO 03/082891 A1

(51) International Patent Classification7:

(21) International Application Number: PCT/KR03/00631

(22) International Filing Date: 28 March 2003 (28.03.2003)

(25) Filing Language:

Korean

C07H 21/00

(26) Publication Language:

English

KR

(30) Priority Data:

29 March 2002 (29.03.2002) 10-2002-17470

(71) Applicants (for all designated States except US): CREAGENE INC. [KR/KR]; 3Fl., Jungdo Bldg., 606, Tanbang-dong, Seo-gu, Daejon Metropolitan City 302-858 (KR). LEE, Sang-Jin [KR/KR]; 1401-1701 Hugokmaeul Cheonggu Apartment, Lisan 3-dong, Lisan-gu, Goyang-shi, Gyeonggi-do 411-313 (KR).

(72) Inventors; and

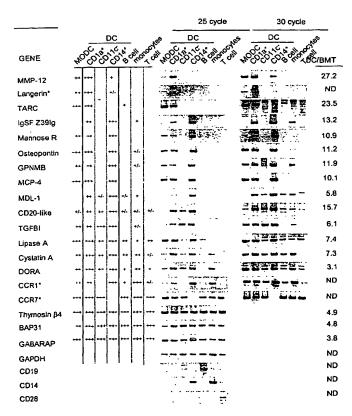
(75) Inventors/Applicants (for US only): AHN, Jung-Hoon

[KR/KR]; 103-403 Hanvit Apartment, 99, Eoeun-dong, Yusung-gu, Daejon Metropolitan City 305-806 (KR). LEE, Yoon [KR/KR]; 704-101 Yeolmaemaeul Apartment, 919, Jijok-dong, Yusung-gu, Daejon Metropolitan City 305-330 (KR). JEON, Choon-Ju [KR/KR]; 138-401 Hanvit Apartment, 99, Eoeun-dong, Yusung-gu, Daejon Metropolitan City 305-806 (KR). LEE, Byung-Hak [KR/KR]; 101-301 HanBat Apartment, 313-1, Sukbong-dong, Daeduk-gu, Daejon Metropolitan City 306-810 (KR). CHOI, Kang-Duk [KR/KR]; 3 Fl. 1192, Tanbang-dong, Seo-gu, Daejon Metropolitan 302-861 (KR). BAE, Yong-Soo [KR/KR]; 308-704 Expo Apartment, Jeonmin-dong, Yuseong-gu, Daejon Metropolitan City 305-761 (KR).

- (74) Agent: SESHIN PATENT & LAW FIRM; 8th Fl., KFSB Bldg., 16-2, Yeoedo-dong, Yeongdeungpo-gu, Seoul 150-010 (KR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

[Continued on next page]

(54) Title: NOVEL DENDRITIC CELL-SPECIFIC POLYNUCLEOTIDES AND MICROARRAY COMPRISING THE SAME



(57) Abstract: The present invention relates to dentritic cell-specific polynucleotides and microarrays, particularly to novel polynucleotides highly expressed in dendritic cells, certain dendritic cell subsets and matured dendritic cells and microarrays comprising thereof. marrcoarray of this invention, dendritic cells, certain dendritic cells subsets and matured dendritic cells can be detected rapidly and accurately.

BEST AVAILABLE COPY

WO 03/082891 A1

WO 03/082891 A1



CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.